

AN 1979:615390 HCAPLUS  
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 TI Hardenable lead-calcium-tin alloy  
 IN Assmann, Herbert K. G.  
 PA VARTA Batterie A.-G., Fed. Rep. Ger.  
 SO Ger. Offen., 15 pp.  
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AB The Pb-Ca-Sn alloy has a Sn/Ca at. ratio of .gtoreq.3:1. The optimum ratio is 3.7:1, and optimum Ca content is 0.06%. Optionally, 0.06% Ag is added. The alloy is aged at 20-50.degree.. Suitable strength and corrosion resistance is obtained when the CaSn3 phase is pptd. during pptn. hardening. The alloy is esp. suitable for battery grids. No gas evolution during charging occurs, and the battery can be sealed. Typically, the Pb alloy [ 56053-49-7] contains 0.06 Ca and 0.53% Sn.